

ABSTRACT OF THE DISCLOSURE

The present invention provides a method and a device for determining a peak blood flow signal of a blood flow through at least a section of a selected coronary artery of a beating heart of a mammal, in particular a human being, wherein said device comprises a bioimpedance measuring device. The method and device selects part of a bioimpedance signal, and calculates a peak velocity from it. This may e.g. be used to map the peak blood flow velocity along a coronary artery, in order to find possible stenoses in the vessel.